

NATIONAL HIGHWAY SYSTEM

- The National Highway System (NHS) was developed in 1987
- These highways include primary routes that support inter-provincial and international trade and travel
- The Saskatoon Freeway includes three national highways:
 - Provincial Highway 11
 - Provincial Highway 16
 - Provincial Highway 7
- Saskatchewan's NHS Network carries approximately 70% of all provincial highway travel



Saskatchewan National Highways

LEVEL OF SERVICE

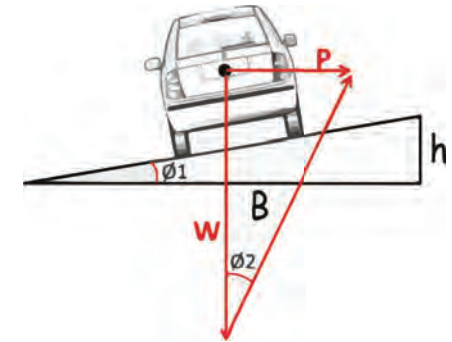
- Level of Service (LOS) is a qualitative measure used to relate the quality of the road user's driving experience



LOS A - LOS C - LOS F

GEOMETRIC DESIGN

- Geometric design deals with the positioning of the roadway elements dealing including:
 - Cross Sectional Elements
 - Horizontal & Vertical Alignments
 - Intersection Elements
 - Roadside Traffic Guidance



INTERCHANGES

- Types of Interchanges:
 - **System Level Interchange**
These are most often used between National Highways in Saskatchewan (80 - 100 km/hr directional ramps).
 - **Service Level Interchange**
These are most often used between freeways and arterial roads (50 - 65 km/hr ramps).



Regina Bypass System Level Interchange

DESIGN SPEED

- Design speed is a selected speed used to determine the various geometric features of the roadway

